

## ABSTRACT OF THE DISCLOSURE

A method of measuring frequency interference between adjacent cell sites in a wireless telecommunications system. The method includes selecting a frequency in a cell site to be used as a beacon frequency. The method also includes activating the beacon frequency in the cell site and recording, at a telecommunications switch, a signal strength of the beacon frequency as measured by a first wireless device operating in the cell site and a signal strength of the beacon frequency as measured by a second wireless device operating in another cell site. The method further includes determining the frequency interference between the cell site and the other cell site based on the signal strengths.